

**AMENDMENT TO RULES COMMITTEE PRINT 117-**

**31**

**OFFERED BY MR. DELGADO OF NEW YORK**

Page 641, after line 22, insert the following:

**1 Subtitle G—Manufacturing Amer-**  
**2 ican Dynamism in Entrepre-**  
**3 neurship and Harnessing Edu-**  
**4 cation to Retool Employees**

**5 SEC. 10671. DEFINITIONS.**

**6** In this subtitle:

**7** (1) The term “covered agency” means each of  
**8** the following Federal agencies:

**9** (A) The National Institute of Standards  
**10** and Technology.

**11** (B) The Department of Energy.

**12** (C) The Department of Defense.

**13** (2) The term “Director” means the Director of  
**14** the Office of Science and Technology Policy.

**15** (3) The term “eligible manufacturing cluster”  
**16** means a manufacturing cluster that consists of—

**17** (A) entities with physical presence in the  
**18** United States and with majority United States  
**19** ownership; and

1 (B) at least two of the following:

2 (i) Institutions of higher education.

3 (ii) High schools.

4 (iii) Service member and veteran edu-  
5 cation programs carried out by the Sec-  
6 retary of Defense.

7 (iv) Private sector companies, includ-  
8 ing small- and medium-sized manufactur-  
9 ers.

10 (v) Nonprofit organizations, including  
11 Labor organizations.

12 (vi) State and local government agen-  
13 cies.

14 (vii) Federally funded entities includ-  
15 ing the Manufacturing USA Institutes and  
16 Manufacturing Extension Partnership, na-  
17 tional laboratories, and FFRDC's.

18 (viii) Other entities at the discretion  
19 of the Director.

20 (4) The term “manufacturing cluster” means a  
21 geographic concentration of companies and institu-  
22 tions within a particular field of manufacturing that  
23 engage or propose to engage collaboratively in work-  
24 force development, technology development, supply  
25 chain sourcing, and other activities.

1 **SEC. 10672. INTERAGENCY ENTITY.**

2 (a) IN GENERAL.—The Director shall establish or  
3 designate an interagency entity (hereinafter referred to as  
4 the “entity”) to oversee and coordinate the activities of  
5 manufacturing cluster programs at Federal agencies. The  
6 entity shall be chaired by the Director of the Office of  
7 Science and Technology Policy, the Director of the Na-  
8 tional Institute of Standards and Technology, the Sec-  
9 retary of Energy, and the Secretary of Defense.

10 (b) MEMBERS.—The entity established under sub-  
11 section (a) shall be appointed by representatives of Fed-  
12 eral entities and may include representatives of the fol-  
13 lowing (or successor entities):

14 (1) The Office of Advanced Manufacturing of  
15 the National Institute of Standards and Technology.

16 (2) The Office of the Undersecretary of Defense  
17 for Acquisition and Sustainment of the Department  
18 of Defense.

19 (3) The Office of the Under Secretary of De-  
20 fense for Research and Engineering of the Depart-  
21 ment of Defense.

22 (4) The Advanced Manufacturing Office of the  
23 Office of Energy Efficiency and Renewable Energy  
24 of the Department of Energy.

25 (5) The Center for Devices and Radiological  
26 Health of the Food and Drug Administration.

1           (6) The Office of Innovation and Entrepreneur-  
2           ship of the Economic Development Administration of  
3           the Department of Commerce.

4           (7) The National Science Foundation.

5           (8) The Workforce Investment Boards of the  
6           Department of Labor.

7           (9) Not fewer than five State Workforce Invest-  
8           ment Boards from geographically diverse regions of  
9           the United States.

10          (10) The Office of Career, Technical, and Adult  
11          Education of the Department of Education.

12          (11) The Transition Assistance Program of the  
13          Department of Veterans Affairs.

14          (12) Representatives of additional entities, as  
15          the Director may specify.

16          (c) COORDINATION.—In convening the entity, the Di-  
17          rector of OSTP is encouraged to consider overlap and co-  
18          ordination with existing committees, subcommittees, or  
19          other groups under the National Science and Technology  
20          Council such as the Committee on Technology Advanced  
21          Manufacturing Subcommittee.

22          (d) DUTIES.—The duties of the entity are the fol-  
23          lowing:

1           (1) Developing specific goals and priorities for  
2           manufacturing cluster programs based on the Na-  
3           tional Strategic Plan for Advanced Manufacturing.

4           (2) Providing guidance to agencies relating to  
5           the competitive selection process and selection cri-  
6           teria for manufacturing clusters.

7           (3) Facilitating coordination among manufac-  
8           turing cluster programs throughout the Federal  
9           Government.

10          (4) Providing guidance to, and facilitating best  
11          practices sharing among, Federal agencies hosting  
12          manufacturing cluster programs on mentoring,  
13          training, courses, and other resources provided to  
14          clusters.

15          (e) REPORTS.—Beginning one year after the date of  
16          the enactment of this Act and triennially thereafter, the  
17          entity shall submit to the appropriate committees of Con-  
18          gress a report on all manufacturing cluster programs car-  
19          ried out pursuant to this subtitle. Such report shall in-  
20          clude—

21                (1) an overview of the activities of the manufac-  
22                turing clusters; and

23                (2) an assessment of the progress of such clus-  
24                ters in advancing the goals and priorities developed  
25                by the entity.

1 (f) APPLICATION OF THE FEDERAL ADVISORY COM-  
2 MITTEE ACT.—The Federal Advisory Committee Act (5  
3 U.S.C. App.) shall not apply with respect to the entity.

4 (g) SUNSET.—The entity shall terminate on Decem-  
5 ber 31, 2031.

6 **SEC. 10673. MANUFACTURING CLUSTER PROGRAMS.**

7 (a) IN GENERAL.—The head of each covered agency  
8 shall establish a manufacturing cluster program under  
9 which the head of such covered agency, over three distinct  
10 phases described in subsection (d), awards resources and  
11 grants to, or enter cooperative agreements with eligible  
12 manufacturing clusters.

13 (b) SELECTION.—

14 (1) SELECTION CRITERIA.—

15 (A) IN GENERAL.—The head of each cov-  
16 ered agency shall, taking into account guidance  
17 issued by the entity established under section 3,  
18 establish selection criteria for the selection of  
19 resource and grant recipients under the manu-  
20 facturing cluster program established by such  
21 agency. Such criteria shall include—

22 (i) the collaborativeness of the pro-  
23 posal, as evidenced by whether the pro-  
24 posed activities inherently benefit from col-  
25 laboration between two or more member

1 entities in a cluster, such as shared train-  
2 ing programs or facilities, collaborative re-  
3 search, development, and demonstration,  
4 or shared supply chain development;

5 (ii) the innovativeness of the idea, as  
6 determined by the review panel under  
7 paragraph (2);

8 (iii) the ability of the cluster to carry  
9 out the proposal;

10 (iv) the impact of the proposed activ-  
11 ity on the local, regional, and national  
12 manufacturing economy and workforce;

13 (v) the sustainability and long-term  
14 impact of the proposed cluster; and

15 (vi) the degree to which the proposal  
16 aims to leverage, coordinate with, and is  
17 strategically aligned with ongoing efforts,  
18 such as—

19 (I) voluntary education programs  
20 of the Department of Defense under  
21 part 68 of title 32, Code of Federal  
22 Regulations;

23 (II) Manufacturing USA Insti-  
24 tutes;

1 (III) Manufacturing Extension  
2 Partnerships initiatives, including the  
3 State Policy Academy;

4 (IV) the Investing in Manufac-  
5 turing Communities Partnership sites;

6 (V) the Manufacturing Tech-  
7 nology Program of the Department of  
8 Defense established under section  
9 2521 of title 10, United States Code;

10 (VI) State workforce investment  
11 programs; and

12 (VII) additional criteria as speci-  
13 fied by the Director.

14 (B) MATCHING FUNDS.—The selection cri-  
15 teria established under subparagraph (A) may  
16 include the amount of matching funds available.  
17 Proposals shall not be required to include the  
18 provision of matching funds by the cluster re-  
19 ceiving the grant involved.

20 (2) REVIEW PANEL.—

21 (A) IN GENERAL.—The head of each cov-  
22 ered agency shall each appoint a review panel,  
23 to be comprised of not fewer than 9 individuals  
24 that are experts in advanced manufacturing, to  
25 evaluate manufacturing cluster proposals based



1 on the criteria set by such head of a covered  
2 agency under paragraph (1)(A) and to rec-  
3 ommend eligible manufacturing clusters to such  
4 head of each covered agency for selection for  
5 each phase of the program.

6 (B) OUTSIDE ENTITY.—The head of each  
7 covered agency may contract with an outside  
8 entity to administer a competitive selection  
9 process based on the criteria established by the  
10 head of each covered agency under paragraph  
11 (1)(A).

12 (c) USE OF FUNDS.—An eligible manufacturing clus-  
13 ter may use grant funds under paragraphs (2) and (3)  
14 of subsection (d) to—

15 (1) develop and deploy training and educational  
16 programs and facilities to benefit multiple cluster  
17 members;

18 (2) fund efforts with respect to supply chain  
19 sourcing and innovation;

20 (3) fund collaborative research, development,  
21 and demonstration;

22 (4) develop shared infrastructure or resources  
23 for production, transportation, cybersecurity, and  
24 workforce development among members of the clus-  
25 ter;

1           (5) convene workshops and other forums to im-  
2           prove alignment among participants in the regional  
3           manufacturing economy; and

4           (6) strengthen ties and relationships within the  
5           cluster and assess the impact of the cluster on the  
6           region.

7           (d) PROGRAM PHASES.—

8           (1) PHASE 1.—

9                   (A) IN GENERAL.—For the first phase of  
10           the program (referred to in this section as  
11           “Phase 1”), the head of each covered agency  
12           shall select eligible manufacturing clusters for  
13           an award described in subparagraph (C) for the  
14           purpose of assisting such eligible manufacturing  
15           clusters in the development of a detailed imple-  
16           mentation plan for each proposal submitted  
17           under subparagraph (B).

18                   (B) APPLICATION.—An eligible manufac-  
19           turing cluster applying for Phase 1 shall submit  
20           an application containing a description of—

21                           (i) the members of the cluster;

22                           (ii) the needs of the local, regional,  
23           and national manufacturing economy and  
24           workforce that the cluster intends to ad-  
25           dress;

1 (iii) a proposal for activities described  
2 in subsection (c) to address such needs;  
3 and

4 (iv) a plan for transition of manufac-  
5 turing cluster activities to the private sec-  
6 tor.

7 (C) AWARD.—The head of each covered  
8 agency may provide an eligible manufacturing  
9 cluster selected for an award under Phase 1  
10 mentoring, training, and courses to cover topics  
11 including—

12 (i) problem selection and curation;

13 (ii) iterative refinement based on feed-  
14 back from potential beneficiaries to ensure  
15 plans are tailored to regional needs or  
16 problem;

17 (iii) development of effective teams;

18 (iv) validation of the repeatability and  
19 scalability of the plan; and

20 (v) other entrepreneurial best prac-  
21 tices.

22 (2) PHASE 2.—

23 (A) IN GENERAL.—For the second phase  
24 of the program (referred to in this section as  
25 “Phase 2”), the head of each covered agency

1 shall select eligible manufacturing clusters for  
2 an award described in subparagraph (C) for the  
3 purpose of implementing the plan submitted  
4 under subparagraph (B).

5 (B) APPLICATION.—An eligible manufac-  
6 turing cluster applying for Phase 2 shall submit  
7 an application containing—

8 (i) a description of—

9 (I) the members of the cluster;

10 (II) the needs of the local, re-  
11 gional, and national manufacturing  
12 economy and workforce that the clus-  
13 ter intends to address; and

14 (III) a proposal for activities de-  
15 scribed in subsection (c) to address  
16 such needs;

17 (ii) with respect to Phase 1, a descrip-  
18 tion of mentoring and training activities  
19 and an analysis of whether such use was  
20 successful; and

21 (iii) a detailed implementation plan  
22 for such proposal.

23 (C) AWARD.—

24 (i) IN GENERAL.—The head of each  
25 covered agency may award an eligible man-

1 manufacturing cluster selected for an award  
2 under phase 2—

3 (I) a grant of not more than  
4 \$3,000,000 over a 3-year period to  
5 execute the plan described in subpara-  
6 graph (B)(ii); and

7 (II) mentoring, training, and  
8 courses described in paragraph (1)(C)  
9 that the head of such agency deter-  
10 mines appropriate to assist in the exe-  
11 cution of such plan.

12 (3) PHASE 3.—

13 (A) IN GENERAL.—For the third phase of  
14 the program (referred to in this section as  
15 “Phase 3”), the head of each covered agency  
16 shall select eligible manufacturing clusters for  
17 an award described in subparagraph (C) for the  
18 purpose of continuing the activities of the clus-  
19 ter under Phase 2.

20 (B) APPLICATION.—

21 (i) TIMING.—Not earlier than 2 years  
22 after the date on which an eligible manu-  
23 facturing cluster receives funds under  
24 Phase 2, such eligible manufacturing clus-  
25 ter may apply for Phase 3.

1 (ii) CONTENT.—To apply for Phase 3,  
2 an eligible manufacturing cluster shall sub-  
3 mit a report containing a description of the  
4 activities of such cluster under Phase 2  
5 and the impacts of such activities, includ-  
6 ing—

7 (I) a list of the organizations and  
8 individuals served by such activities;

9 (II) facilities built or dedicated;

10 (III) technologies, curricula, and  
11 educational programs developed;

12 (IV) extent of coordination with  
13 existing Federal, State, and local gov-  
14 ernment resources;

15 (V) extent of coordination with  
16 private sector entities; and

17 (VI) the success of Phase 2 and  
18 an assessment of whether the award  
19 would enable new development and  
20 success.

21 (C) AWARD.—The head of each covered  
22 agency may award an eligible manufacturing  
23 cluster selected for an award under Phase 3—

24 (i) a grant of not more than  
25 \$10,000,000 over a 5-year period to con-

1                   tinue the activities of the eligible manufac-  
2                   turing cluster under Phase 2; and  
3                   (ii) mentoring, training, and courses  
4                   described in paragraph (1)(C) that the  
5                   head of such agency determines appro-  
6                   priate to assist in the execution of such ac-  
7                   tivities.

8           (e) REPORT.—For each eligible manufacturing clus-  
9   ter selected for Phase 1, Phase 2, and Phase 3, the rel-  
10   evant head of each covered agency shall make public a re-  
11   port describing—

12           (1) the members of the eligible manufacturing  
13   cluster;

14           (2) a description of the proposed activities;

15           (3) a description of how the proposed activities  
16   meet the country's strategic needs for advanced  
17   manufacturing; and

18           (4) if applicable, a description of the activities  
19   of the cluster under the prior phase of the program.

20   (f) MENTOR, TRAINING, AND COURSE RESOURCES.—

21           (1) CONTRACT AUTHORITY.—The head of each  
22   covered agency may enter into a memorandum of  
23   understanding with another Federal agency or con-  
24   tract with an entity outside the Federal Government

1 to carry out the mentoring, training, and courses  
2 under each phase of the program.

3 (2) COSTS.—The head of each covered agency  
4 shall cover the cost of participation in mentoring,  
5 training, and courses, including necessary travel ex-  
6 penses, for each applicant selected under each phase  
7 of the program.

8 (3) LIMITATIONS.—The head of each covered  
9 agency may restrict the number of individuals from  
10 each cluster selected under this paragraph that are  
11 allowed to participate in mentoring, training, and  
12 courses under each phase of the program to not  
13 fewer than 3 individuals.

14 (g) FUNDING.—

15 (1) NONFEDERAL FUNDS.—An eligible manu-  
16 facturing cluster receiving a grant under a manufac-  
17 turing cluster program established pursuant to this  
18 section may accept in-kind and financial contribu-  
19 tions from private sector entities, nonprofit organiza-  
20 tions, and State and local governments.

21 (2) ASSESSMENT.—Upon the completion of  
22 Phase 3 by an eligible manufacturing cluster, the  
23 relevant head of a covered agency shall conduct an  
24 assessment of the impact of the cluster's activities  
25 on the regional manufacturing economy and assess



1 the degree to which the cluster advanced the coun-  
2 try's strategic needs for advanced manufacturing.  
3 The head of such covered agency may decide, based  
4 on such assessment, to continue funding the cluster  
5 for an additional 5 years or terminate funding.

6 (3) TERMINATION.—If the head of a covered  
7 agency decides to terminate funding for an eligible  
8 manufacturing cluster, at any phase—

9 (A) that cluster may continue to operate  
10 on other sources of Federal or non-Federal  
11 funding; and

12 (B) upon that the head of the covered  
13 agency involved shall initiate a new multi-phase  
14 selection process for an eligible manufacturing  
15 cluster to replace it, focused on needs identified  
16 in the most recent National Strategic Plan for  
17 Advanced Manufacturing.

18 (4) AUTHORIZATION OF APPROPRIATIONS.—

19 (A) IN GENERAL.—There are authorized to  
20 be appropriated to carry out this subtitle—

21 (i) to the Director of the National In-  
22 stitute of Standards and Technology,  
23 \$10,000,000 for fiscal year 2022,  
24 \$20,000,000 for each of fiscal years 2023

1 through 2030, \$10,000,000 for fiscal year  
2 2031;

3 (ii) to the Secretary of Energy,  
4 \$10,000,000 for fiscal year 2022,  
5 \$20,000,000 for each of fiscal years 2023  
6 through 2030, \$10,000,000 for fiscal year  
7 2031; and

8 (iii) to the Secretary of Defense,  
9 \$10,000,000 for fiscal year 2022,  
10 \$20,000,000 for each of fiscal years 2023  
11 through 2030, \$10,000,000 for fiscal year  
12 2031.

13 (B) TRANSFER OF FUNDS.—Amounts  
14 available to the head of each covered agency for  
15 programs and activities consistent with the pur-  
16 poses of the manufacturing cluster programs  
17 established pursuant to this section may be  
18 transferred to carry out such manufacturing  
19 cluster programs. The amount of funds author-  
20 ized to be appropriated under subparagraph (A)  
21 for a fiscal year shall be increased by any  
22 amounts so transferred.

